

APPROVED: SIGNATURE ON FILE IN EMS OFFICE
Executive Director

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Medical Director

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HEAT ILLNESS (PEDIATRIC)

- I. AUTHORITY: Health and Safety Code, Division 2.5, California Code of Regulations, Title 22, Division 9
- II. PURPOSE: To serve as the treatment standard for EMT-Is and EMT-Ps in treating patients.
- III. PROTOCOL:

Heat Exhaustion: Muscle cramping, fatigue, nausea, headache, normal or slightly elevated body temperature. Syncope or dizziness is almost universal.

Heat Stroke: Persistently altered level of consciousness and elevated body temperature (usually greater than 104° F or 40 C), tachycardia and hypotension. Sweating is variable.

STANDING ORDERS	
<u>Heat Exhaustion</u>	
ABCs	
SECURE AIRWAY	As appropriate. Confirm tube placement, if intubated, with end tidal CO ₂ detector and esophageal detector device. Continuous waveform capnography should be used on all intubated patients if available.
COOLING MEASURES	Place patient in a cool environment.
<u>Heat Stroke</u>	
ASSESS ABCs	
SECURE AIRWAY	As appropriate. Confirm tube placement, if intubated, with end tidal CO ₂ detector and esophageal detector device. Continuous waveform capnography should be used on all intubated patients if available.
COOLING MEASURES	Remove heavy or insulating clothing and splash patient with water. Place ice packs on head, neck and in axilla and inguinal areas. Promote cooling by fanning. Use all available cooling measures.
OXYGEN	
IV/IO ACCESS	Two large bore cannulas with volume control chambers. Give 20 ml/kg boluses until Broselow tape systolic BP target. Reassess the patient after each bolus.
CONSIDER	
DRAW BLOOD SAMPLE	Test for glucose.
DEXTROSE	If Blood glucose is less than 75 mg/dl: D50W 1ml/kg IV for patients greater than 2 years of age, or D25W 2ml/kg IV who are less than 2 years of age. May repeat once. Give oral glucose to patients who are awake and have an intact gag reflex. Recheck blood glucose in 5 minutes.
GLUCAGON	0.05 mg/kg IM if blood glucose is less than 75 mg/dl and no IV access immediately available. Maximum dose 1.0 mg. May repeat once. Recheck blood glucose in 5 minutes
MIDAZOLAM	If seizing: 0.1 mg/kg IV/IO (maximum dose 5.0 mg.) If unable to establish IV after one attempt, give 0.2 mg/kg IM (maximum dose 5 mg.) May repeat once in 10 minutes if seizures continue.